

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/003099

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H05H 3/06**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H01L, H05H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and applications for inventions since 1975, Korean Utility models and applications for Utility models since 1975,
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

D/B : eKIPASS, ESPACENET

keyword : neutral particle, plasma ion, limiter, collimator

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 658917 A2 (EBARA CORPORATION) 21 Jun. 1995 See abstract, fig1	1-15
A	EP 443154 A2 (HITACHI, LTD) 28 Aug. 1991 See abstract, fig3-4	1-15
A	US 5818040 A (NEC CORPORATION) 6 Oct. 1998 See abstract, fig2	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 JANUARY 2005 (28.01.2005)

Date of mailing of the international search report

28 JANUARY 2005 (28.01.2005)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003099

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 658917 A2	19950621	JP 07-169746 A2	19950704
EP 443154 A2	19910828	US 5284544 A JP 04-180621 A2	19940208 19920626
US 5818040 A	19981006	GB 2307333 B2 JP 09-139364 A2	20000405 19970527